PAGE: 1

RAW SEQUENCE LISTING

PATENT APPLICATION US/09/235,073

DATE: 01/29/1999

TIME: 14:14:28

Input Set: I235073.RAW

This Raw Listing contains the General Information Section and up to first 5 pages.

hew formet <110> APPLICANT: Mark de Boer Marcel Theodorus <120> TITLE OF INVENTION: Induction of T cell tolerance with CD40/B7 antagonists <130> FILE REFERENCE: 99-1 <140> CURRENT APPLICATION NUMBER: US/09/235,073 <141> CURRENT FILING DATE: 1999-01-21 ENTERED <150> EARLIER APPLICATION NUMBER: 60/022,070 9 <151> EARLIER FILING DATE: 1996-07-23 10 <150> EARLIER APPLICATION NUMBER: PCT/NL97/00438 <151> EARLIER FILING DATE: 1997-07-23 <160> NUMBER OF SEQ ID NOS: 22 <170> SOFTWARE: FastSEQ for Windows Version 3.0 <210> SEQ ID NO 1 15 <211> LENGTH: 52 <212> TYPE: DNA 17 <213> ORGANISM: human 18 <400> SEQUENCE: 1 gcgcaggctt ggcccagccg gccatggccc aggtsmarct gcagsagtct gg 19 52 20 <210> SEQ ID NO 2 <211> LENGTH: 89 21 <212> TYPE: DNA 23 <213> ORGANISM: human <400> SEQUENCE: 2 25 gtgagetega tgteegatee gecaeegeea gageeacete egeetgaace geeteeacet 60 26 gaggagacgg tgaccgtggt cccttggcc 89 27 <210> SEQ ID NO 3 28 <211> LENGTH: 24 29 <212> TYPE: DNA 30 <213> ORGANISM: Artificial Sequence <220> FEATURE: <223> OTHER INFORMATION: human 32 33 <400> SEQUENCE: 3 34 gacatcgagc tcacycagtc tcca 24 <210> SEQ ID NO 4 <211> LENGTH: 42 36 <212> TYPE: DNA 38 <213> ORGANISM: human <400> SEQUENCE: 4 40 gcgcgcgcc gcccgtttka tttccagstt ggtgcctcca cc 42 <210> SEQ ID NO 5 41 42 <211> LENGTH: 339 43 <212> TYPE: DNA <213> ORGANISM: human

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/235,073 DATE: 01/29/1999 TIME: 14:14:28 PAGE: 2

Input Set: I235073.RAW

					-		
45	<400>	SEQUENCE: 5	•				
46		caggtgcaac tcgtggagtc t	tggacctggc	ctggtgaaac	cctcacagag	cctgtccatc	60
47		acatgcactg tctctgggtt o					120
48		ccaggaaagg gtctggagtg					180
49		tcagctctca aatccagact					240
50		aaaatgaaca gtctgcgagc t					300
51		gactactggg gtcaaggaac o				3 333	339
52	<210>	SEQ ID NO 6	•	-			
53	<211>	LENGTH: 339					
54	<212>	TYPE: DNA					
55	<213>	ORGANISM: human					
56	<400>	SEQUENCE: 6					
57		gacctccagc tgacccagtc t	tccactctcc	ctgcctgtca	gtcttggaga	tcgagcctcc	60
58		atctcttgca gatctagtca g					120
59		tacctgcaga agccaggcca					180
60		tctggggtcc cagacaggtt o					240
61		agcagagtgg aggctgagga t					300
62		tggacgttcg gtggaggcac		_			339
63	<210>	SEO ID NO 7					
64		LENGTH: 723					
65		TYPE: DNA	•				
66		ORGANISM: human					
67		SEOUENCE: 7					
68		caggtgcagc tgcaggagtc t	tagacctagc	ctaataaaac	cctcacagag	cctatccatc	60
69		acatgcactg tctctgggtt					120
70		ccaggaaagg gtctggagtg					180
71		tcagctctca aatccagact					240
72		aaaatgaaca gtctgcgagc t					300
73		gactactggg gccaagggac o					360
74		ggtggctctg gcggtggcgg a					420
75		gtcagtcttg gagatcgagc o					480
76		aatggaaaca cctatttaca t					540
77		atctacaaag tttccaaccg a					600
78		gggacagatt tcacactcaa g					660
79		tgctctcaaa gtacacatgt t					720
80		cgg		cccggcggag	geaccaagee	ggaaacaaaa	723
81	<210>	SEQ ID NO 8					,23
82		LENGTH: 375					
83		TYPE: DNA					
84		ORGANISM: human					
85		SEQUENCE: 8					
86	11002	gaggtccaac tgcagcagtc t	ragacctaaa	ctagagaage	ctaacacttc	agtgaagata	60
87		tcctgcaagg cttctggtta c					120
88		aatggaaaga gccttgagtg g					180
89		aatcagaagt tcaagggcaa g					240
90		atgcagetea acageetgae a					300
91		tataggtacg acgacgggag g					360
92		gtcaccgtct cctca	JJOCCACCAC	Judacygact	cccggggcca	ayyaacctca	375
93		SEQ ID NO 9					J , J
94		LENGTH: 339					

DATE: 01/29/1999 TIME: 14:14:28 PAGE: 3 RAW SEQUENCE LISTING

PATENT APPLICATION US/09/235,073

Input Set: I235073.RAW

05	-2125	TYPE: DNA	
95 06		ORGANISM: human	
9 <u>.</u> 6			
97 98	<400>	SEQUENCE: 9	60
96 99		gagetecaga tgacecagte tecateatet etggetgegt etgeaggaga aaaggteaet	120
		atgagetgta agtecagtea aagtgtttta tacagtteaa ateagaagaa etaettggee	180
100 101		tggtaccagc agaaaccagg gcagtctcct aaactgctga tctactgggc atccactagg	240
101		gaatctggtg tccctgatcg cttcacaggc agtggatctg ggacacattt tactctgacc	300
102		gtcagcagtg tgcaagctga agacctggca gtttattact gtcatcaata cctctactcg	339
103	-210-	tggacgttcg gtggaggcac caacctggaa atcaaacgg SEQ ID NO 10	333
104		LENGTH: 759	
105		TYPE: DNA	
107		ORGANISM: human	
107		SEQUENCE: 10	
109	(400)		60
110		caggiccaac igcagcagic iggaccigag ciggagaagc ciggcgciic agigaagata	120
111		tcctgcaagg cttctggtta ctcattcact gactacaaca tgaactgggt gaagcagagc	180
112		aatggaaaga gccttgagtg gattggaaat attgatcctt actatggtgg tactagttac	240
113		aatcagaagt tcaagggcaa ggccacattg actgtagaca aatcctccag cacagcctac	300
114		atgcagetea acageetgae atetgaagae tetgeagtet atttetgtge aagatgggae tataggtaeg aegaegggag ggettaetat gttatggaet tetggggeea agggaeeaeg	360
115			420
116		gtcaccgtct cctcaggtgg aggcggttca ggcggaggtg gctctggcgg tggcggatcg	480
117		gacategage teacecagte tecateatet etggetgegt etgeaggaga aaaggteaet	540
118		atgagetgta agtecagtea aagtgtttta tacagtteaa ateagaagaa etaettggee	600
119		tggtaccagc agaaaccagg gcagtctcct aaactgctga tctactgggc atccactagg	660
120		gaatotggtg tocotgatog ottoacaggo agtggatotg ggacacattt tactotgaco	720
121		gtcagcagtg tgcaagctga agacctggca gtttattact gtcatcaata cctctactcg	759
122	-210>	tggacgttcg gtggaggcac caacctggaa atcaaacgg SEQ ID NO 11	133
123		LENGTH: 35	
124		TYPE: DNA	
125		ORGANISM: human	
126		SEQUENCE: 11	
127	(400)	totcacagtg cacaggtgca gotgcaggag totgg	35
128	c210>	SEQ ID NO 12	33
129		LENGTH: 51	
130		TYPE: DNA	
131		ORGANISM: human	
132		SEQUENCE: 12	
133	11007	cgtgagaaca tatggcgcgc cttattaccg tttgatttcc aggttggtgc c	51
134	<210>	SEQ ID NO 13	31
135		LENGTH: 764	
136		TYPE: DNA	
137		ORGANISM: human	
138		SEQUENCE: 13	
139	12007	gtgaaaaaat tattattcgc aattccttta gttgttcctt tctattctca cagtgcacag	60
140		gtgcagctgc aggagtctgg acctggcctg gtgaaaccct cacagagcct gtccatcaca	120
141		tgcactgtct ctgggttctc attatccaga tatagtgtat actgggttcg ccagcctcca	180
142		ggaaagggtc tggagtggct gggaatgatg tggggtggtg gatccacaga ctataattca	240
143		gctctcaaat ccagactgac catcagcaag gacacctcga agaaccaggt cttcttaaaa	300
144		atgaacagtc tgcgagctga ggacacagcc atgtactact gtgtcagaac cgatggggac	360
		5 5 5.5.5.5.5. 55 <u>5.2. 205</u> 0000000 5050000000 1500555500	

RAW SEQUENCE LISTING PAGE: 4

DATE: 01/29/1999 TIME: 14:14:28 PATENT APPLICATION US/09/235,073

Input Set: 1235073.RAW

					<u>-</u> -		
145		tactggggcc aagggaccac	ggtcaccgtc	tcctcaggtg	gaggggttc	agacattgag	420
146		ctcacccagt ctccatcate					480
147		aagtccagtc aaagtgtttt					540
148							600
		cagaaaccag ggcagtctcc					660
149		gtccctgatc gcttcacagg c					720
150		gtgcaagctg aagacctggc				gtggacgttc	
151		ggtggaggca ccaacctgga	aatcaaacgg	taataaggcg	cgcc		764
152		SEQ ID NO 14				•	
153		LENGTH: 30					
154	_	TYPE: DNA					
155		ORGANISM: human					
156	<400>	SEQUENCE: 14					
157		gcgcgaattc atggacatga	gggtccccgc				30
158	<210>	SEQ ID NO 15					
159	<211>	LENGTH: 27					
160	<212>	TYPE: DNA					
161	<213>	ORGANISM: human					
162	<400>	SEQUENCE: 15					
163		agatttgggc tcaactttct t	tgtccac				27
164	<210>	SEQ ID NO 16					
165	<211>	LENGTH: 27					
166	<212>	TYPE: DNA					
167	<213>	ORGANISM: human					
168	<400>	SEQUENCE: 16					
169		gtggacaaga aagttgagcc	caaatct				27
170	<210>	SEQ ID NO 17					
171	<211>	LENGTH: 82					
172	<212>	TYPE: DNA					
173	<213>	ORGANISM: human					
174	<400>	SEQUENCE: 17					
175		gcgcgaattc ttaagcggcc g	gcagatccgc	cqccacccqa	cccacctccq	cccqaqccac	60
176		cqccaccttt acccggagac a		, ,	J	3 3	82
177	<210>	SEQ ID NO 18	J				
178		LENGTH: 31					
179	<212>	TYPE: DNA					
180	<213>	ORGANISM: human					
181	<400>	SEQUENCE: 18					
182		gcgcgcgcc gcaatgcacg t	taacccaact	t.			31
183	<210>	SEQ ID NO 19	-550000500	•			-
184		LENGTH: 36					
185		TYPE: DNA					
186		ORGANISM: human					
187		SEQUENCE: 19					
188	-1007	gcgcgcggcc gcctagtcag a	aatctgggca	caatte			36
189	<210>	SEQ ID NO 20	a	-39000			
190		LENGTH: 31					
191		TYPE: DNA					
192		ORGANISM: human					
193		SEQUENCE: 20					
194		gcggcggatc catggacatg a	aggaticecea	С			31
		3-13-23-00 Carabacaca 6		-			

DATE: 01/29/1999 TIME: 14:14:28 PAGE: 5 RAW SEQUENCE LISTING

PATENT APPLICATION US/09/235,073

Input Set: 1235073.RAW

195	<210>	SEQ ID NO 21					
196	<211>	LENGTH: 33					
197	<212>	TYPE: DNA					
198	<213>	ORGANISM: human					
199	<400>	SEQUENCE: 21					
200		gcgcggatcc ctaaca	ctct cccctgttga	agc			33
201	<210>	SEQ ID NO 22					
202	<211>	LENGTH: 879					
203	<212>	TYPE: DNA					
204	<213>	ORGANISM: human					
205	<400>	SEQUENCE: 22					
206		atgaaatacc tattgo	ctac ggcagccgct	ggattgttat	tactcgcggc	ccagccggcc	60
207		atggcccagg tccaac	tgca gcagtctgga	cctgagctgg	agaagcctgg	cgcttcagtg	120
208		aagatatcct gcaagg	cttc tggttactca	ttcactgact	acaacatgaa	ctgggtgaag	180
209		cagagcaatg gaaaga	gcct tgagtggatt	ggaaatattg	atccttacta	tggtggtact	240
210		agttacaatc agaagt	tcaa gggcaaggco	acattgactg	tagacaaatc	ctccagcaca ⁻	300
211		gcctacatgc agctca	acag cctgacatct	gaagactctg	cagtctattt	ctgtgcaaga	360
212		tgggactata ggtacg	acga cgggagggct	tactatgtta	tggacttctg	gggccaaggg	420
213		accacggtca ccgtct	cctc aggcggtggc	ggatcggaca	ttgagctcac	tcagtctcca	480
214		ctctccctgc ctgtca	gtct tggagatcga	gcctccatct	cttgcagatc	tagtcagagc	540
215		cttgtaaaca gtaatg	gaaa cacctattta	cattggtacc	tgcagaagcc	aggccagtct	600
216		ccaaagctcc tgatct	acaa agtttccaac	cgattttctg	gggtcccaga	caggttcagt	660
217		ggcagtggat caggga	caga tttcacacto	aagattagca	gagtggaggc	tgaggatgtg	720
218		ggagtttatt actgct	ctca aagtacacat	gttccgtgga	cgttcggtgg	aggcaccaag	780
219		ctggaaataa aacggg	cggc cgcagaacaa	aaactcatct	cagaagagga	tctgaatggg	840
220		gccgcacatc accatc	atca ccattaataa	gaatccbct			879

6 PAGE:

VERIFICATION SUMMARY PATENT APPLICATION US/09/235,073

DATE: 01/29/1999 TIME: 14:14:28

Input Set: I235073.RAW

Line	?	Error/Warning	Original Text
	_		